

BEST AVAILABLE COPY

32552 SEARCH REQUEST FORM

Requestor's Name: Jennifer Hunt

CM11-8D06

8th FLOOR EXAMINER'S BOX

8C01
m8

Serial

Number: 09/302,434

Date: 1-4-2000

Phone: (703) 308-7548

Art Unit: 1642

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please search a fusion glycoprotein with the following kit (1) - a first portion having enzymatic activity (examples of enzymes =

- a second portion having a molecular structure which binds the first portion to a tumor specific antigen (example of structure = an antibody) (example of tumor specific antigen =

- wherein the glycoprotein has at least 2 exposed carbohydrate residue selected from:

* CARBOHYDRATE RESIDUE CAN BE PRODUCED BY ENZYMATIC DEGRADATION (example =

OR CHEMICAL DEGRADATION

(2) A PHARMACUTICAL PRODRUG WHICH IS CLEAVED BY THE ENZYMATIC ACTIVITY OF (1)

*Note "novelty" lies in that the carbohydrate allows faster clearance of the prodrug. Generic claim is attached

Point of Contact:
Alex Wacławiw

Technical Info. Specialist
CM11-8D06 Tel: 308-4491

STAFF USE ONLY

Date completed: 1-14-00
Searcher: _____
Terminal time: _____
Elapsed time: _____
CPU time: _____
Total time: _____
Number of Searches: _____
Number of Databases: _____

Search Site

_____ STIC
_____ CM-1
_____ Pre-S

Type of Search

_____ N.A. Sequence
_____ A.A. Sequence
_____ Structure
_____ Bibliographic

Vendors

_____ IG
_____ STN
_____ Dialog
_____ APS
_____ Geninfo
_____ SDC
_____ DARC/Questel
_____ Other

=> fil medline

FILE 'MEDLINE' ENTERED AT 12:05:57 ON 11 JAN 2001

FILE LAST UPDATED: 27 OCT 2000 (20001027/UP). FILE COVERS 1960 TO DATE.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2000 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

MEDLINE UPDATES ARE ON HOLD UNTIL AFTER THE ANNUAL RELOAD HAS BEEN COMPLETED. NOTICE WILL BE GIVEN ONCE THE RELOAD IS COMPLETED AND RELOAD DETAILS WILL BE FOUND IN HELP RLOAD.

=> d que 120

L1 2945 SEA FILE=MEDLINE ABB=ON PRODRUGS+NT/CT
L6 1127042 SEA FILE=MEDLINE ABB=ON D8.586./CT
L11 38844 SEA FILE=MEDLINE ABB=ON (FUSION (3A) (PROTEIN# OR
GLYCOPROTEIN
OR PRODUCT#))
L12 47 SEA FILE=MEDLINE ABB=ON L1 AND L11
L13 42 SEA FILE=MEDLINE ABB=ON L12 AND L6
L14 1279954 SEA FILE=MEDLINE ABB=ON CARBOHYDRATES+NT/CT
L15 12 SEA FILE=MEDLINE ABB=ON L13 AND L14
L17 19456 SEA FILE=MEDLINE ABB=ON BIOTRANSFORMATION/CT
L18 22175 SEA FILE=MEDLINE ABB=ON L17 OR L1
L19 16 SEA FILE=MEDLINE ABB=ON L18 AND L11 AND L14
L20 16 SEA FILE=MEDLINE ABB=ON L15 OR L19

=> d que 132

L1 2945 SEA FILE=MEDLINE ABB=ON PRODRUGS+NT/CT
L6 1127042 SEA FILE=MEDLINE ABB=ON D8.586./CT
L14 1279954 SEA FILE=MEDLINE ABB=ON CARBOHYDRATES+NT/CT
L17 19456 SEA FILE=MEDLINE ABB=ON BIOTRANSFORMATION/CT
L18 22175 SEA FILE=MEDLINE ABB=ON L17 OR L1
L21 1520 SEA FILE=MEDLINE ABB=ON L18 AND CONJUGATE#
L23 113 SEA FILE=MEDLINE ABB=ON L21 AND L14 AND L6
L24 32 SEA FILE=MEDLINE ABB=ON L23 AND TUMOR
L27 6325 SEA FILE=MEDLINE ABB=ON TUMOR#(A) ANTIGEN#
L28 1 SEA FILE=MEDLINE ABB=ON L24 AND L27
L30 44377 SEA FILE=MEDLINE ABB=ON ANTIGENS, NEOPLASM+NT/CT
L31 15 SEA FILE=MEDLINE ABB=ON L30 AND L23
L32 15 SEA FILE=MEDLINE ABB=ON L31 OR L28

=> d .med 120 1-16;d .med 132 1-15

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 12:32:58 ON 11 JAN 2001
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FILE COVERS 1967 - 11 Jan 2001 VOL 134 ISS 3
FILE LAST UPDATED: 10 Jan 2001 (20010110/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in HCAPLUS on STN.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d his

(FILE 'HCAPLUS' ENTERED AT 12:11:12 ON 11 JAN 2001)

DEL HIS Y

L1	5013	S	PRO DRUG# OR PRODRUG# OR DRUG (2A) PRECURSOR#
L2	83650	S	GLYCOPROTEIN# OR PROTEIN# (L) GLYCOSID?
L3	47	S	L1 AND L2
L4	164795	S	ANTIGEN#
L5	18	S	L3 AND L4
L6	183829	S	FUSION OR CONJUGAT?
L7	16	S	L3 AND L6
L8	21	S	L7 OR L5
L9	381684	S	ENZYM?
L10	13	S	L3 AND L9
L11	25	S	L10 OR L8
L12	147144	S	CARBOHYDRAT? OR SUGAR
L13	7	S	L3 AND L12
L14	27	S	L13 OR L11

FILE 'REGISTRY' ENTERED AT 12:27:04 ON 11 JAN 2001

E MANNOSIDE/CN

L15	2	S	E3
		E	GALACTOSE/CN
L16	2	S	E3
		E	N-ACETYLGLUCOSAMINE/CN

L17 1 S E3
 E N-ACETYLLACTOSE
 E N-ACETYLLACTOSE/CN
 E N-ACETYLLACTOSEAMINE/CN
 L18 0 S E3
 L19 1 S E4
 E GLUCOSE/CN
 L20 2 S E3
 E FUCOSE/CN
 L21 2 S E3
 E LACTOSE/CN
 L22 1 S E3
 L23 11 S L22 OR L21 OR L20 OR L19 OR L17 OR L16 OR L15

FILE 'HCAPLUS' ENTERED AT 12:29:55 ON 11 JAN 2001

L24 186431 S L23 OR MANNOSE OR GALACTOSE OR N ACETLYLGLUCOSAMINE? OR N
 ACE
 L25 190423 S L24 OR ACETYLGLUCOSAMIN?
 L26 74 S L1 AND L25
 L27 38 S L26 AND (L6 OR L2 OR L9)
 L28 12 S L27 AND L4
 L29 8 S L28 NOT L14

FILE 'HCAPLUS' ENTERED AT 12:32:58 ON 11 JAN 2001

=> d .ca 114 1-27;d .ca 129 1-8

L14 ANSWER 1 OF 27 HCAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 2000:824304 HCAPLUS
 DOCUMENT NUMBER: 134:16539
 TITLE: Antibodies
 INVENTOR(S): Hoogenboom, Hendricus Renerus Jacobus Mattheus;
 Reurs,
 Anneke; Beiboer, Sigrid Herma Wilma Beiboer
 PATENT ASSIGNEE(S): Oxford Biomedica (UK) Limited, UK
 SOURCE: PCT Int. Appl., 86 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000069914	A2	20001123	WO 2000-GB1910	20000518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			GB 1999-11569	19990518
AB Human antibodies that recognize the epithelial glycoprotein antigen				

(EGP-2) are disclosed. The antibodies have a human light chain variable region and a human heavy chain variable region. Fragments of the antibodies and pharmaceutical compns. comprising the antibodies and their in vitro and in vivo applications in diagnosis and immunotherapy are also disclosed.

IC ICM C07K016-00
CC 15-3 (Immunochemistry)
Section cross-reference(s): 3, 63
ST epithelial **glycoprotein antigen** EGP2 human antibody;
immunotherapy cancer EGP2 antibody phage library
IT **Antigens**
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(17-1A; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Virus vectors
(NYVAC; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Immunostimulants
(adjuvants; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Diagnosis
Imaging
(cancer; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Intestine, neoplasm
(colorectal; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Neoplasm
(diagnosis; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Immunoassay
(enzyme-linked immunosorbent assay; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fragments; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Immunoglobulins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(heavy chains; human antibodies recognizing epithelial **glycoprotein antigen** EGP-2 for immunodiagnosis and immunotherapy of cancers)
IT Antitumor agents
Cytotoxic agents
DNA sequences
Dissociation constant
Drug delivery systems
Drug screening